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1
2
3 from a0_items import *
4 from plg_Sqlite import *
5
6 import socket
7
8
9 #send date time of a task action back to TFM_master
10
11 #TFM task name = Log database name
12 #TFM task action = task action to be logged
13
14 def get_DB_LOG_node_IP ():
15
16     #read from DB_LOG_nodes.csv to get the IP of the LOG db (most likely TFM_master's ip)
17     with open ('../data/raw/a0_LOG_db_nodes.csv') as f:
18
19         CSV_rows = csv.DictReader(f)
20
21         for row in CSV_rows:
22
23             print (row['LOG_db_node_ip'])
24
25
26 #get_DB_LOG_node_IP ()
27
28
29
30
31 # LOG database folder should be the node's ip
32 def get_DB_LOG_folder ():
33
34     hostname=socket.gethostname()
35     IPAddr=socket.gethostbyname(hostname)
36     #print("Your Computer Name is:"+hostname)
37     #print("Your Computer IP Address is:"+IPAddr)
38
39     LOG_db_folder = 'LOG_' + IPAddr.replace('.', '_')
40
41     return LOG_db_folder
42
43 #get_DB_LOG_folder()
44
45
46 #print (get_DB_LOG_folder())
47
48
49
50
51 # save log result to LOCAL data/cooked/ log database
52 def DB_LOG_to_local (TFM_name, TFM_task, TFM_task_action, update_count):
53
54     # datetime object containing current date and time
55     LOG_date_time = datetime.now()
56
57     # insert into sqlite log db in data/cooked/DB_log.db - TFM_name
58     insert_data (sqlite_folder, sqlite_file, table_name, data)
59
60     #After insert, update the columns
61     update_data (sqlite_folder, sqlite_file, table_name, update_column, ref_column )
62
63
64
65
66 # save log result to a REMOTE data/cooked log database
67 #Log update count could be 1, 2, 3 or 4

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68 def DB_LOG_to_remote (TFM_name, TFM_task, TFM_task_action, update_count ): #pass in TFM
task action name to find the TFM task action in the task LOG database
69
70     LOG_node_ip = get_DB_LOG_node_IP ()
71
72     LOG_db_folder = get_DB_LOG_folder ()
73
74     # datetime object containing current date and time
75     LOG_date_time = datetime.now()
76
77     print("now = ", LOG_now, flush=True)
78
79     request.get('http://' + LOG_node_ip + '/' + LOG_DB_folder + 'TFM_name =' + TFM_name +
'&TFM_task_action= ' + TFM_task_action  + '&LOG_task=DB_LOG_update_' + update_count +
'&Progress_item=' + LOG_date_time)
80
81
82     #DB_LOG_to_remote (TFM_name = "TFM_email", TFM_task="send emails", TFM_task_action
="someaction", LOG_update_count = "1" )
83
84
85
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87
88
```